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Minutes of Exchange of Information Meeting  
Colorado Department of Health  
Rockwell International

Date: 28 Sept. 1989 .

Location: Broomfield City  
Council Chambers

Attendees:

P. Elofson-Gardine	- Concerned Health Techs. for a Cleaner Colorado
K. Grice	- Committee Against Radiotoxic Pollution
J. Seemen	- Committee Against Radiotoxic Pollution
J. Day	- Rocky Mountain News
R. Koplet	
C. Sanders	- Jefferson County Health Dept.
S. Bernia	- City of Westminster
C. Videtich	- City of Arvada
H. Mahan	- City of Broomfield
R. Gamewell	- Colorado Dept. of Health
A. Harrison	- Colorado Dept. of Health
R. Gamewell	- Colorado Dept. of Health
R. Terry	- Colorado Dept. of Health
N. Daugherty	- Rockwell International
J. Clawson	- Rockwell International
P. Etchart	- Rockwell International
F. Hobbs	- Rockwell International
K. Motyl	- Rockwell International
M. Peters	- Rockwell International
G. Setlock	- Rockwell International
R. Zuck	- Rockwell International

N. Daugherty announced that there were no changes to the List of Radioactive Materials Associated with the Rocky Flats Plant since the last Quarterly Update.

H. Mahan presented the City of Broomfield Radiometric Monitoring Report. All data were within the levels of background radioactivity concentrations. The report also included analytical data for selected organic compounds. There were no detectable concentrations of these compounds except for trihalomethanes which are commonly present in treated drinking water.

S. Bernia presented the City of Westminster Radiation Data Monthly Report for October 1989. All data were within the levels of background radioactivity concentrations. The report also included

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analytical data for selected organic compounds. There were no detectable concentrations of these compounds except for trihalomethanes which are commonly present in treated drinking water.

R. Terry presented the Colorado Department of Health Environmental Surveillance Report on the U. S. Department of Energy Rocky Flats Plant for October 1989. All analytical results for radioactive materials were within expected ranges and were consistent with measurements which have been taken at the same sampling locations in the past. The report also included analytical data for selected volatile organic compounds, base/neutral and acid extractable organic compounds, phenoxy acid and triazine herbicides, organochlorine pesticides, organophosphorous pesticides and inorganic compounds in water. Terry pointed out that the base/neutral and acid extractable compound analysis included screening for approximately 70,000 individual compounds. For samples taken from Rocky Flats Plant ponds, and Woman and Walnut Creeks, all compounds were below the detection limit of the analyses except for atrazine in Pond C-2 and the two Creeks. N. Daugherty requested a listing of the compounds for which the State analyzes for inclusion in the Rocky Flats Plant files. Plans to sample Big Dry Creek were discussed. In response to questions about when the Plant's holding ponds are sampled for discharges, Terry responded that they are sampled and analyzed for radionuclides before discharge. Downstream sampling is performed regularly on Walnut and Woman Creeks when there is flow. It was requested that Terry discuss the State's plans for increased monitoring. [See below for this discussion.]

N. Daugherty presented the October, 1989, Rocky Flats Environmental Surveillance Report. A number of the data normally reported were not available because the analytical laboratory alpha spectroscopy detection system was taken out of service temporarily for major maintenance and upgrade. As a result of the upgrade, the number of alpha spectrometers used to measure plutonium, uranium, and americium has been increased from 48 to 106. Data not available for inclusion in this report will be reported in the next month's report. Only analytical equipment - not sampling equipment - was impacted by the maintenance program. During a question and discussion session, it was requested that the Dept. of Energy be asked to respond to why the 1988 Rocky Flats Plant Annual Site Environmental Report has not been released to the public and when DOE expects to release it. [Note: In a later response, DOE stated that the Department was delaying issuing the facilities' Annual Site Reports because of a desire to clarify areas of non-compliance and corrective actions that have arisen since preparation of the reports. In addition, DOE wanted to include summaries of other important activities which have occurred concerning its facilities since the 1988 Reports were written. Once these efforts are complete, the Site Reports will be issued.] It also was asked what is the efficiency rating relative to flow of the activated charcoal filters in use at the A-4 and B-5 ponds for removal of

contaminants. [Note: In response to this question, it was determined that the exact efficiency relative to flow cannot be accurately determined. Instead, the vendor sizes the canisters based on its best determination of what is appropriate, and the system is designed using two filter canisters in series to treat the water. Samples taken downstream of the first canister are used to detect breakthrough of contaminants when the filter becomes saturated; at that time the first canister would be replaced. The second canister in series assures that any breakthrough is filtered prior to final release from the facility. Samples taken downstream of the second canister confirm that this filtration was effective. Samples taken downstream of the filters recently used at the Rocky Flats Plant indicated that the organic compounds of interest had been removed.]

J. Clawson presented the November, 1989, Engineering Update. The following General Interest Projects were included: Roof Repairs for various buildings, Laundry Facility, Electrical Distribution System Replacement and Upgrade, HF Piping, Road Repairs, Production Support Building 116, an Onsite Nitrogen Plant, Medical Building Addition, TRUPACT Shipping Facility, Office Trailers, Sewage Plant Projects, and a new radiometric Calibration Laboratory. Environmental Interest Projects included: Exhaust Plenum Modifications (Bldg 771), FU-1 Plenum (Bldg 771), and FU-2B Plenum (Bldg 771), Ventilation System Building Supply Replacement (Bldg. 771), Shelters for Pondcrete/Saltcrete, and Interim Remedial Action for the 881 Hillside.

There were no changes to the monitoring programs for the City of Broomfield, the City of Westminster, or the Colorado Department of Health. In response to a request from the Colorado Department of Health, Rocky Flats Plant will begin including airborne effluent monitoring data for americium-241 in the monthly reports, beginning with the samples taken in January 1990. Because of the additional time required to run the analyses for this isotope, the data will appear two months after the samples are taken, rather than one month later as is the case for the other radionuclides reported. R. Terry discussed interactions between the Colorado Department of Health and the Governor's Scientific Panel concerning changes to the CDH monitoring program. Terry discussed some of the changes that are being considered by the CDH. It was requested that State monitoring plans be documented in writing. Terry also presented a discussion of the history of the Drinking Water Standard for beta-gamma-emitting, artificially-produced radionuclides.

In response to a question on the Plant's Air Pollution Emission Notices (APEN's), R. Terry suggested that this be considered as a Special Agenda Item presentation in the future.

Following discussion, it was decided that - because of the December holidays - the next Information Exchange Meeting would be held at 1:30 pm, Tuesday, January 30, 1990, at the Colorado Department of Health, Denver, CO, Room 150. The meeting will include presentation of both the November and December 1989 monitoring data.

*Nancy M Daugherty*

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Rocky Flats Plant